

### UTILITY PATENT APPLICATION TRANSMITTAL (Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. ER-090-US-01

Total Pages in this Submission 29

#### TO THE ASSISTANT COMMISSIONER FOR PATENTS

**Box Patent Application** Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 11	11(a) and 37 C.F.R.	1.53(b) is a new utility patent application	for an
invention entitled:			

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ME	TAL	PLA	ASMA SURFACE-MODIFIED THERMAL BARRIER CHANNEL	2
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lf a C	ONT	NUA	ATION APPLICATION, check appropriate box and supply the requisite information:	
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Encio	sed a	are:	Application Elements	
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] 1. i	X	Hilin	ng fee as calculated and transmitted as described below	
<b>2</b> .	$\boxtimes$	Spe	ecification having Pages and including the following:	
	a.		Descriptive Title of the Invention	
	b.		Cross References to Related Applications (if applicable)	
	C.		Statement Regarding Federally-sponsored Research/Development (if applicable)	
	d.		Reference to Microfiche Appendix (if applicable)	
		<b>⊠</b>	Background of the Invention	
	f.	X	Brief Summary of the Invention	
	g.	X	Brief Description of the Drawings (if drawings filed)	
	h.	X	Detailed Description	
	i.	×	Claim(s) as Classified Below	
	j.	X	Abstract of the Disclosure	

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3.	X	Dra	wing(s) (when ne	cessary as prescribed by	35 US	C 113)	•	
	a.		Formal	Number of Sheets		<u> </u>		
	b.	X	Informal	Number of Sheets		3	<del></del>	
4.	×	Oat	th or Declaration					
	a.	×	Newly executed	(original or copy)	Une	executed		
	b.		Copy from a price	or application (37 CFR 1.6	3(d)) (i	for continuation/d	ivisional application	n only)
	C.		With Power of A	ttorney 🔲 Without F	ower	of Attorney		
	d.		Signed statemer	NVENTOR(S) nt attached deleting invent 63(d)(2) and 1.33(b).	or(s) n	named in the prio	or application,	
5.		The Box	e entire disclosure	erence (usable if Box 4b is of the prior application, fred ed as being part of the ence therein.	om wh	ich a copy of the		• •
6.		Cor	mputer Program ir	n Microfiche (Appendix)				
7.		Nuc	cleotide and/or An	nino Acid Sequence Subm	ission	(if applicable, a	II must be include	<b>∌d)</b>
	a.		Paper Copy					
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				Accompanying a	Applic	ation Parts		
8.	×	Ass	signment Papers (	cover sheet & document(s	s))			
9.		37 (	CFR 3.73(B) State	ement <i>(when there is an a</i>	ssigne	e)		
10.		Eng	glish Translation D	ocument (if applicable)				
11.		Info	ormation Disclosu	re Statement/PTO-1449		Copies of IDS	Citations	
12.		Pre	liminary Amendm	ent				
13.	×	Ack	knowledgment pos	stcard				
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☐ First Class ☒ Express Mail (Specify Label No.): EL397262756US

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		Accompanying Application Parts (Continued)
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)
16.		Additional Enclosures (please identify below):
		Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
	X	Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
		Warning
7 17 17 17 17 17 17 17 18 17 17 17 17 17 17 17 17 17 17 17 17 17		An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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#### **Fee Calculation and Transmittal**

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☐ Charge the issue for pursuant to 37 C.F.	icate copy of this she of \$1,056.00 nent. nal filing fees required e set in 37 C.F.R. 1.1	eet is enclosed. as filing fee. ed under 37 C.F.R 18 at the mailing of		

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